



COJC

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT NO.: 6,890,201 B2

PATENTEE: HASHIGUCHI ET AL-1 ISSUED: MAY 10, 2005

SERIAL NO.: 10/620,046 FILED: JULY 15, 2003

TITLE: ZIF CONNECTOR HAVING A CONTACT OF UNIQUE SHAPE

REQUEST FOR CERTIFICATE OF CORRECTION  
UNDER 37 C.F.R. §1.322

Attn: Certificate of Correction

Mail Stop Petition  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**Certificate**

JUN 30 2005

Dear Sir:

**of Correction**

In accordance with the provisions of 37 C.F.R. §1.322 of the Rules of Practice, which implement 35 U.S.C. 254 and 255, approval of the attached Certificate of Correction for the above-identified patent to correct the errors noted below appearing in the issued patent is respectfully requested.

Most recently, in reviewing the above-identified patent, it was discovered that typographical errors appeared in Claims 1, 13, 14, and 17 which should be corrected.

In particular, in Column 9, line 6 (Line 17 of Claim 1), please insert a comma after the word "portion."

In Column 10, line 45 (Line 17 of Claim 13), please change "direction-using" to correctly read:

--direction using--

JUL 06 2005

In Column 10, line 48 ( Line 1 of Claim 14) please change "ZIP" to correctly read:

--ZIF--.

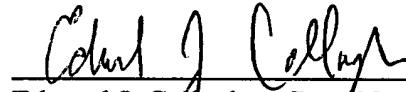
In Column 11, line 14 (Line 2 of Claim 17) after the word "first" please change "(-" to -- < --.

In Column 11, line 16 (Line 4 of Claim 17) after the word "second" please change  
"(-" to --< --.

Since the errors were the fault of the PTO as shown by the attached excerpt from the  
Amendment sent to the US PTO on December 10, 2004, no fee is required for the filing of this  
Certificate of Correction. However, should any additional fees be required, the Commissioner is  
authorized to charge such fees to Deposit Account No. 03-2468.

Accordingly, approval of the attached Certificate of Correction is respectfully requested.

Respectfully submitted,  
OSAMU HASHIGUCHI

  
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EJC:ke

Enclosures:      Certificate of Correction in duplicate  
                         Excerpts from the Amendment sent to the US PTO via telefax on December 10, 2004

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: MAIL STOP PETITION: Certificate of Corrections, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 23, 2005.

  
Maria Guastella

**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

PATENT NO. : **6,890,201 B2**  
 APPLICATION NO.: **10/620,046**  
 ISSUE DATE : **MAY 10, 2005**  
 INVENTOR(S) : **HASHIGUCHI ET AL-1**

Page \_\_\_\_\_ of \_\_\_\_\_

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

In Column 9, line 6 (Line 17 of Claim 1) please insert a comma after the word "portion."

In Column 10, line 45 (Line 17 of Claim 13), please change "direction-using" to correctly read:

--direction using--.

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-- <- --.

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-- <- --.

MAILING ADDRESS OF SENDER (Please do not use customer number below):  
**COLLARD & ROE, P.C.**

**1077 NORTHERN BOULEVARD  
ROSLYN, NY 11576**

This collection of information is required by 37 CFR 1.322, 1.323, and 1.324. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 1.0 hour to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Attention Certificate of Corrections Branch, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

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**UNITED STATES PATENT AND TRADEMARK OFFICE  
CERTIFICATE OF CORRECTION**

Page \_\_\_\_\_ of \_\_\_\_\_

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Appn. No. 10/620,046

Reply to Office August 11, 2004 Action

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A ZIF connector comprising an insulator, a contact held by said insulator, and an actuator slidably held by said insulator, said contact comprising;

a stationary portion fixed to said insulator;

a first portion having a first contact point and being continuous with said stationary portion;

a substantially U-shaped portion continuous with said first portion;

a second portion having a second contact point and being continuous with said substantially U-shaped portion; and

a movable portion continuous with said second portion and engaging with said actuator, said first and said second contact points confronting each other with a gap left therebetween, said movable portion confronting said stationary portion and extending longer than said stationary portion, and said actuator sliding to displace said movable portion so that said first and said second contact points sandwich therebetween a connection counterpart that is inserted in said gap.



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lock groove so as to release engagement between said retaining spring and said lock groove, then in the state, said cam lock operating portion is rotated in a direction opposite to said one direction using said belt-like groove, thereby to corotate said cam portion to release said fitted state.

Claim 15 (Original): The ZIF connector according to claim 14, wherein said cam lock operating portion has an operating position indicator showing an operating position of said cam lock operating portion, said insulator having, in the vicinity of said cam lock operating portion, logo portions representing a lock position and an unlock position.

Claim 16. (Currently Amended): The ZIF connector according to claim ~~12~~ 11 wherein the whole of said cam lock mechanism including said cam lock operating portion and said retaining spring is arranged so as not to project from the surface of said insulator.

Claim 17 (Original): The ZIF connector according to claim 11, wherein each of said first contacts comprises:  
a stationary portion fixed to said insulator;

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a first portion having a first contact point and being continuous with said stationary portion;

a substantially U-shaped portion continuous with said first portion;

a second portion having a second contact point and being continuous with said substantially U-shaped portion, and said second contact point confronting said first contact point with a gap defined therebetween; and

a movable portion continuous with said second portion and engaging with said actuator, said first and said second portions being preformed to have intermediate portions, respectively, which are approached to each other to make said gap become small, wherein, when said cam portion is operated to slide said actuator, said actuator displaces said movable portions of said first contacts so that said first contact points and said second contact points sandwich therebetween said second contacts that are inserted in said gaps, respectively.

Claim 18 (New) : The ZIF connector according to claim 1, wherein said first portion comprises a first <-shaped portion having an apex as said first contact point, said second portion comprising a second <-shaped portion having an apex as said